# PROCESSING TRANSACTIONS USING A STRUCTURED NATURAL LANGUAGE

## ABSTRACT

**[0056]** The disclosed technology can identify indicia associated with different entity types that interact within an industry, identify one or more relationships (e.g., contractual provisions) that can affect interactions between such entity types, and identify transactions associated with one or more of the interactions. Further, the identified transactions can be organized into one or more transaction sequences. The identified indicia, the one or more identified relationships, and the one or more transaction sequences can then be associated to form a semantic network. An instance of the semantic network can be formed in response to the execution of at least some of the transaction sequence and can serve, at least in part, as the basis for processing requests associated with the entities. The requests can correspond to interactions associated with the entities and may be represented in a natural language format, exhibiting a fixed context and a fixed grammar.